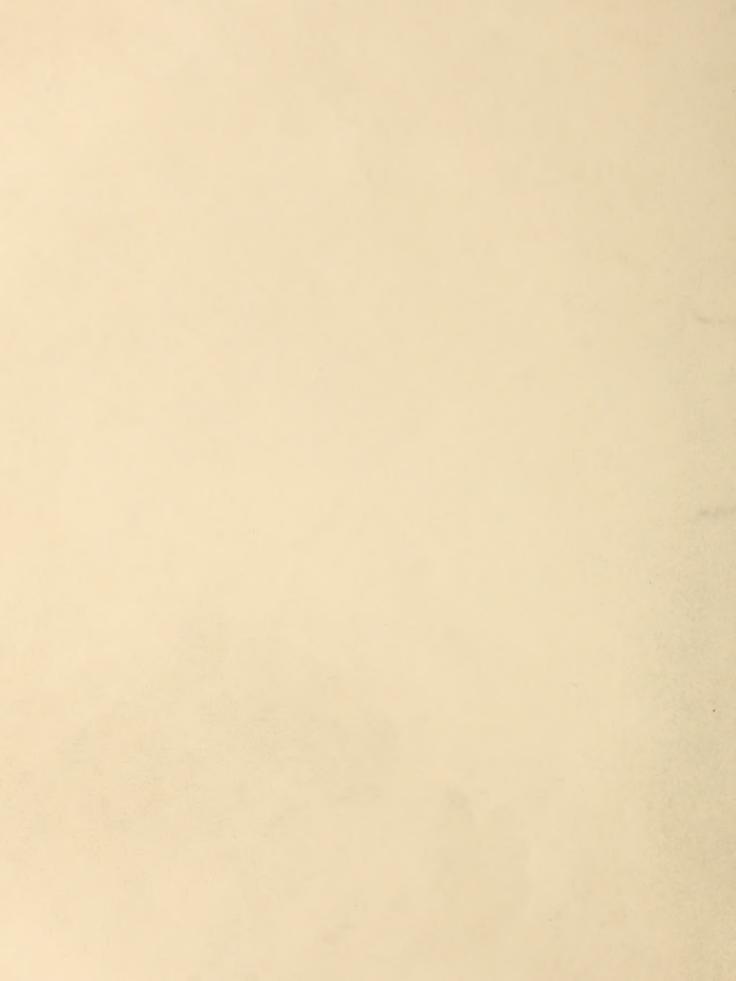
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SNOW SURVEYS AND IRRIGATION WATER FORECASTS

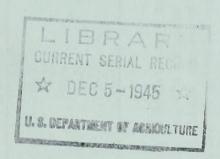
for the

MISSOURI and ARKANSAS

DRAINAGE BASINS

March 1, 1944





Issued by the
United States Department of Agriculture
Soil Conservation Service
Division of Irrigation
In Cooperation with
The Colorado Agricultural Experiment Station
Colorado State College
Fort Collins, Colorado

March 10, 1944

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March 10. 1910.

SNOW SURVEYS AND IRRIGATION WATER FORECASTS FOR MISSOURI AND ARKANSAS RIVERS March 1, 1944

The following data pertaining to snow surveys and irrigation water-supply forecasts are provided by the Division of Irrigation, Soil Conservation Service, of the U. S. Department of Agriculture, in cooperation with State departments, other Federal bureaus and local organizations. The snow measurements are made principally by field personnel of the following organizations: Forest Service, National Park Service, Bureau of Reclamation, U. S. Geological Survey, War Department and State Experiment Stations. This work is othermunicipalities, irrigation associations, power companies and others. Precipitation records are supplied by wise conducted cooperatively with the State Engineers of Wyoming, Nebraska and Colorado, and various the U.S. Weather Bureau.

PRECIPITATION DATA

1		I. The state of th	The second secon	一年 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	The state of the s
		Precipitation	Departure	Precipitation	Departure
WATERSHED	STATE	October 1 to	from		from
		February 29	Normal	February	Mormal
		Inches	Inches	Inches	Inches
44400000	Wont.	2 51	09,00	0.36	60.0-
TTOOCCTA	TOTAL PROPERTY.				
Missouri	Cent. Mont.	2.33	04.1.	0.65	50°0+
Maconimi	Month Win	1, 60	-1.05	66.0	10.01
Transcri	TO T				ile o
North Platte	Wyoming	5.20.	+0.T.	00.00	10.01
South Platte	Colorado	3.04	-1.72	0.57	64.0
,		7 07	0 07	0 27	94-0-
Arkansas	Cororado	3.03	16.01	10.0	

except in eastern Montana where a slight excess of precipitation has been accumulated. February precipita-Precipitation for the Meriod from October 1 to February 29 over the watersheds of the Missouri River tion throughout the area was normal to salightly below normal, the greatest deficiencies occurring on the in Colorado, Wyoming and Wontana, and the Arkansas River in Colorado, has been considerably below normal South Platte and Arkansas drainages in Colorado.

SUMMARY OF MARCH 1 SNOW SURVEYS AND COMPARISON OF DATA

WITH THAT OF PREVIOUS YEARS BY WATERSHEDS

							Number				1944 Water	r Content in
	Snow	Snow Depth		Wate	r Conte	int	Courses	Snow	Snow Density		percent	nt of
WATERSHEDS	Nine			Mine	Mine		in	Nine			Nine	**
	year	1943	1944	year	1943	1944	Average	year	1943	1941	year	1943
	Tug	Tn	Tn	AV90 T	12	Tn.		Avg. T	Dorogn+	Percent	AV8.	
MISSOURI RIVER	•	3	•	• 11	•	•				2000	1	
												The state of the s
er	35.9	52.6	26.8	4.6	0	5.2	5	56	32	8	58	32
Madison River	53.6	9.08	8.04	16.2	00	1.6.	7	2	35	ħ 2	B	
Gallatin River	32.5	37.7	27.7	8,57	11.0	.6.5	9	56	59	23	92	59
Missouri River**	28.1	39.1	20.7	6,9	0	.4.3	11	25	56	rd.	62	142
Marias River	43°4	9.09	27.2	13.1	0	7.2	-	30	32	56	55	37
e River	28.6	11.1	23.0	7.0	M	4.9	6	なった	30	27	02	37
The second	17.6	19.7	19.3	力。力	5.6	5.0	-	25	28	- 56	113	68
Shoshone River	51.4	75.8		14.8	0	00	2	59	35	23	59	33
H	29.6	52.1	25.0	0.9	17.1	かった	0	8	33	22	96	32
3	29.3	37.1	24.9	6.3	8.1	4.6	H	22	.22	18	- 73	25
er.	18°h	54.9	37.8	14.1	TO	8.0	10	56	29	5 t	63	96
ver	35.0	55.5	33.5	80	18.0	7.0	2	25	33	21	62	39
River	31.9	42.2	24.3	8.51	CU	2.6	6	27	30	23	99	‡
	1	1	23.6	1	1	5.4	1	1	1	23	1	1
te River***	18.6	23.7	14.1	4.1	† · 9	t.2.	~	22	27	17	58	37
	15.8	6.51	16.2	3.5	1.4	3.0	7	22	22	1.8	98	214
	33.4	45.1	24.1		S	2.5	9	. 27	2.7	54	63	94
ver	43.2	58.6	31.3	11.3	16.6	5.6	2	56	28	18	25	450
	34.6	54.6		8.6	10	1.8		25	28	72	56	31
Boulder Greek	5t.6	32.4	1.0		M	3.6	2	20.	25	8	148	27
	40.2	51.0	26.4	11.1	16.6	4.9	2	28	33	72	58	38
							- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				Section of the	
APKANSAS RIVER	32.9	34.8	25.1	8.3	7.0	5.8	6	25	27	23	02	62
		-	-		-	-					-	-

** Headwaters of Missouri River *** Above Denver, Colo.

*Some for shorter periods.

indicative of ample irrigation water for the coming season, but the present and anticipated storage gives greater assurance in meeting the coming demand for water. Present soil moisture is fair to good and stream flow about about 35 percent of what it was last year at this time, Missouri 42, Gallatin 59 and Milk River 89. Storage in the principal reservoirs is about 10 percent more than a year ago. Both the Wadison and Canon Ferry reservoirs are now filled, also the Fresno on the Milk River drainage. With normal precipitation during the spring months additional storage in many of the reservoirs in Montana will be realized. The present snow cover is not past 9 years of record. For the Jefferson, Madison, Marias, and Yellowstone drainage areas the water content is WONTANA. Generally over the headwaters of the Missouri and its tributaries in Montana the present snow cover is only about one-third to one-half of that a year ago and but 71 percent of the average based on the normal over the entire area,

about 10 percent greater than it was on March 1 a year ago. For the principal reservoirs on the North Platte in Wyoming the present filling is 558,000 acre-feet which is only slightly less than it was a year ago. Ray and Washakie lakes near Wind River now have a total of 7,800 acre-feet which is the same as it was last year. Bull year ago. The present storage in the Wheatland Reservoirs totals 30,200 acre-feet which is about 83 percent of the filling last year at this time. Stream flow is generally below normal because of subnormal precipitation over the past several months. Range is mostly snow covered except in the southeast part of State. This blanket of snow though not heavy has persisted for the longest period in years. Soil moisture is deficient in the western area of the State. The present snow conditions on all the watersheds of Wyoming are not especially good from the standpoint of the coming season's runoff. Present reservoir storage lends encouragement to the outlook and because of the snow months still ahead, it is likely that the final season's water supply for irrigation will be adequate. percent as compared with that a year ago, Laramie WH and Sweetwater 39, while for the Shoshone and Big Horn it is but 30 percent. For all the drainage areas the water content of the snow is from one-half to three-quarters of the 9-year average. Reservoir storage is generally much better than March first last year. In Lake and Pilot Butte reservoirs on Wind River aggregate 102,000 acre-feet in storage as compared with 68,500 a Jackson Lake on Snake River the storage is the highest of record for this date and in Shoshone Reservoir it is WYOMING. The water supply outlook throughout Myoming has not changed materially during the past month. The North Platte and Powder River drainage areas have a water content of the snow cover of approximately 60

The outlook in the Black Hills area in South Dakota is good at this time. Snow cover is probably the best in the past 10 years with farm and pasture lands covered with 12 to 15 inches depth of snow. Belle Fourche Reservoir stores 102,600 acre-feet which is 75 percent of the amount in storage last year at this time.

year at this time. It is only about 60 percent of the past 9-year average over this entire area. On the South Platte drainage, above Denver, the water content of the snow is now only 37 percent of that a year ago. Poudre 46, Big Thompson 34, St. Vrain 31, Boulder 27, and Clear Creek 38. The reservoir storage is about three-quarters of that a year ago but is approximately normal because of the large carry-over from the fall of The snow cover over the watershed of the South Platte and its tributaries shows no material improvement since February 1. The water content ranges from about one-third to one-half of that measured last

uptroperations are against the market few mounts is reflected in poster of fair soil moisture at this time, practicant precident precident and are affected for the time for the form counties. Moisture conditions in Logan County are fair to good. Stream flow is normal for this time of year.

Show conditions over the Arkansas River dualnage are likewise unfavorable for an ample water supply this coming season. The average water content, of the snow page of the snow page of the snow page. The precaptor is charge approximates the normal for this time in twe soft in the sort is charge of the Syvent average. The stell moisture over the irritigated area of the year and is about 60 percent of the Syvent and a year ago. Stream flow is generally normal with a river flow at Genon City of approximately 300 second—feer. The stell moisture over the irritigated area of the year and is about 60 percent of the compositions are finit to good.

The general outlook for the coming season's withir amply for both the lissouri and Arkansis dreinness, as based on snow over, is not especially good at this time. Reservoir storage in lonzan and Wroming is anbetantial while in Colorado most of the reservoirs are filled to about normal capacity for this time of year.

MISSOURI, AND ARKANSAS RIVER WATERSHEDS

Summary of Federal and State Cooperative Snow Surveys.

Wain Drainage	Local	pensst	issued March 10, 1944, Location	at Fort Collins	Elev. National	Mar. 1 S	Snow Cover Maas	asuremen	n ts
	Drainage	State	.Locality	Descrip-	Forest	Av. Snow	Depth Av. Water	ter Conten	tent
No Snow Course				ti on		AV.@ 1943	3.1944 AV.®	1943	1944
JEFFERSON RIVER			÷			In. In.	In. In.	In.	In.
6 Camp Creek*	Red Rock Cr.	aho	6mi.N. Spencer	21-1334-36里	Targhee	32.1.39.1	1 25.0 7.5		1,8
Moose Creek*	N. Fk. BigHole	=	Zmi.S.Gibbons P	田田	Salmon	42.6.66.	30.0	22.1	6.1
10 Gibbons Fass	N.Fk.BigHole	nt.	bons Pass		Bitterroo	457.4 81.	43.0 1	30.6	10.2
Pipestone Pass	Pipestone Cr.	=	Pipestone Pass	-	DeerLodge	18.8 31.	16.0	6.1	200
Elkhorn Hot Spgs.	Wise River	=,	aris	15-4s-12W	8450 Beaverhoad	事	20.1 7		3.8
Contract				Average for	Drainage	35.9 52.	6 26.8 9.4		5.5
MALLISON RIVER									
2 Aster Creek*	Firehole R.	Wyo.		44.31110.6W	7700 Yel Nat.P.	68,4119,	14th 8422.7		11。4
Lewis L.Divide*	#	=	3mi.S.Lewis L.	WT. OLING. 44	H H H	92. 14.16. 军	きも		16.2#
Norris Basin	Gibbon River	=	d	144. 3N1 10. 7W	11 11 11	31.8 49.	26.4		9.9
3 Big Springs*	South Fork	Idaho	Big Springs	34-143-44正一	Targhee	58.2 86.	18.0		12.0
1 owstone	South Fork	Mont.	W.Yellowstone	34-135-5	Gallatin	36.8 56.	28.2		1.9
Twenty-one Mile*	Greyling Cr.		8mi.S.Gallatin	1-115-5章	7150 Yel Mat. P.	9	10.4 13	21.0	1.6
Hebgen Dam	Cabin Creek	=	Hebgen Dam	22-118-7国	Gallatin	40.8 46.6	6 33.4 111.5	13.7	6.51
				Average, for	Drainage	53.6 80.	10.8.16	28.5	1.6
GALLATIN RIVER							<u>.</u>		
Devil's Slide	Hyalite Cr.	Mont.	S.Bozeman	14-58-6国	8100 Gallatin	₩ 09 00 05	4 40.2 13.8	17.6	10.8
Hood Meadow Extn.		=	14mi." #	22-4s-6E	6600	33	24.1 6	-	5.8
Mystic Lake No.1	Bozeman Cr.	=	# "問	31-3S-7E		23.7.23.5	5 21.7-6.0		4.9
Mystic Lake No.2	= =	=	= =	31-3S-7E	£ 0099	22.1 20.	21:1	5.0	1.4.
Twenty-one Wile	Gallatin River	=	Smi.S.Gallatin	1-11S-5E	7150 Yel. Nat. P.	46.6 65.5	10.31		1.6.
Ross Peak	Ross Cr.	=	12mi.N.Bozeman.	10-111-6日	7000 Gallatin	23	18.7 6	5.0	3.7
New World Trail	Gallatin River	=	8mi.SE.Bozeman	13-3S-6E	1 0000	8.3	27.8 '6	-	7.2
				Average for	Drainage	72 5 77	7 27 . 7 . 8 . 5	11.0	6.5
4						,		-	,

*On adjacent drainage #Readings Feb. 15 @Average for period of record

MISSOURI AND ARKANSAS RIVER WATERSHEDS Summary of Federal and State Cooperative Snow Surveys

Colo.	
Collins,	
Fort	
1944, at	
1 10, 19	1
March	
Issued March	

28800 7300 7870 7870 7870 7870 7850 8300 8300 8300 8300	6w 6w 15w	Ecardiner 44.9N110.6W "	Wyo. Dome Lake 11-53N-87W " 11mi.SEGardiner 44,9N110.6W " 11mi." " 44,9N110.6W Woot. 10mi.W.Red Ldg. 2-85-18E Woot. Gooke Gity 25-95-14E Gmi.N.CanyonJct.44,7N110.5W Gmi.B.Gardiner 26-95-9E 7mi." " 26-95-9E 26-95-9E 7mi.NE.Wilsal 110-4W-10E 26mi.NE.Wilsal 110-4W-10E 26mi.NE.Wilsal 110-4W-10E 26mi.NE.Gardiner22-75-12E 26mi.NE.Gardiner22-75-12E	Dome Lake 11mi. SEGardiner 44,9N110.6W 11mi. " " 44,9N110.6W 10mi.W.Red Ldg. 2-8S-18E 8mi.N.CanyonJct.44,7N110.5W Cooke City 6mi.E.Gardiner 25-9S-9E 7mi." " 26-9S-9E 7mi." " 26-9S-9E 2mi.NE.Fish.Br. 44,6N110.4W 12mi.NE.Wilsal 110-4W-10E 26mi.SE.Livigstal 27-5S-12E 26mi.NE.Gardiner22-7S-12E
Custer 20.07 Vel. Nat. P. 38.07 Absaroka 24.5 " " 37.5 Absaroka 16.0 " " 145.8 nage 28.6	5W 7870 Custer 7870 Tel.Nat.P. 7400 Absaroka 8400 Yel.Nat.P. 8500 " " " " " " " " " " " " " " " " " "	### ### ### ### ### ### #### #### ######	Mont. 10mi.W.Red Ldg. 2-85-18E 7870 Guster Wyo. 8mi.N.CanyonJct.44,7N110.5W 7750 Fel.Nat.P. Nont. 6mi.E.Gardiner 26-95-9E 8700 Yel.Nat.P. Wyo. 3mi.NE.Fish.Br. 44,6N110.4W 7850 " " " Mont. 12mi.NE.Wilsal 110-4N-10E 6500 Absaroka	Mont. 10mi.W.Red Idg. 2-88-18E 7870 Guster Wyo. 6mi.B.Gardiner 26-95-9E 8700 Fel.Mat.P. Wyo. 7mi." " 26-95-9E 8700 " " " " 26-95-9E 8700 " " " " " " " " " " " " " " " " " "
	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	### Start	Wyo. Dome Lake 11-53N-87W 8 11mi. EGardiner 44.9N110.6W 7 11mi. # # #4.9N110.6W 7 11mi. # # #4.9N110.6W 7 11mi. # # #4.9N110.6W 7 10mi. W.Red Ldg. 2-83-18E 7 100ke City 25-95-14E 7 10mi. # # # 26-95-9E 8 7 7 10mi. # # # 26-95-9E 8 8 10mi. ME.Fish. Br. 44.6N110.4W 7 10mi. ME.Fish. Br. 44.6N110.4W 7 10mi. NE.Wilsal 110-4M-10E 6 10mi. NE.Wilsal 110-4M-10E 6 10mi. NE.Wilsal 110-4M-10E 6 10mi. NE.Gardiner22-75-12E 8 10mi. NE.Gardiner22-75-75-75-75-75-75-75-75-75-75-75-75-75-	Wyo. Dome Lake " 11mi.SEGardiner 44.9N110.6W 7 " 11mi." " 44.9N110.6W 7 Nont. 10mi.W.Red Idg. 2-8S-18E Wyo. 8mi.N.CanyonJct.44.7N110.5W 7 Mont. Cooke City 25-9S-14E 7 " 6mi.E.Gardiner 26-9S-9E 8 " 7mi." " 26-9S-9E 8 Wyo. 3mi.NE.Fish.Br. 44.6N110.4W 7 Mont. 12mi.NE.Wisal 110-4M-10E 6 " 26mi.SE.Livigstor23-5S-12E 8 " 26mi.NE.Gardiner22-7S-12E 8

MISSOURI AND ARKANSAS RIVER WATERSHEDS

Summary of Federal and State Cooperative Snow Surveys

	ents	ontent	1944	In	9.9	10.9	00		6.2	2.0	9.2	8.9	2.8	10.9	3.4	7	3.8	000	5.4	9 1			2001	+ c	200	200	000	17.0	12.2	7.7	3.9	8	1	- V	0
	asureme	ter C	1943	In.	22.1	30.7	56.4		1.	10.4	16.6	18.5	14.3	30.7	14.2	15.4	16.5	17:3	17.1	8.1			0.7	0.6	200	0.00	7 2 2	26.0	20.7	191	7.3	15.9	1 7	1 00	18.0
	ver Me	AV. Wa.	AV.®		+*+1	15.1	14.8	1	2.0	# #	7.3	6.8	4.9	15.1	.6.2	7.5	4.0	200	0.9	6.3		L	ייייייייייייייייייייייייייייייייייייייי	2-1-	100						8.4	14,1	7	0 0	100
	Snow Cov	Depth	17944		52.4	5)	38.6		26.0	127.0	31.1	17.	13.2	14.0	7	65	15.8	10,	25.0	24.9	•		1000				27.6				26.0	37.8	1	50.	
	1 Sn	Snow	11943		58.0	83.0	65.68			. 35.5	148.8	155.4	145.8	183.0	1 46.1 E	50.8	-	13	150	37.01		7		75	-	-	1000		-	6	30.	54.9	ī	-	30
	Mar	Av	Av .@			52.4	71.	. (200	ا ا	29.5	34.5	21.8	52.4	25.0	30.2	30.8	22.0	29.6	29.3				300	30,00		- L L L	77	-	-	32.8	148.4	1	20.00	13
Colorado	National -	Forest				hakie	inage		Bighorn	Washakie	E	=	#	±	Shos. I.R.	11 11 11	Washakie	; =	98e	OffForest	•	2 6	Roosevel t	Hourt		Areivano Mostration	P	-#	1 1	# #		age.		washakie	nage
ins,	Elev.		-			9200	or braina		800	500	9500	0006	7500	9200		9500		-	Drain	1500			-	9200			-	0800	10200	9700	8400	Drain	-	0000	r Drain
, at Fort		Descrip-	tion		12-52E-110W	23-44N-110W	Average f			3-31N-101W	23-31N-101W	13-30N-101W	3-4211-109W	23-44N-110W	26-1N-4W	23-25-3W	27-421-108W	4311-107	Average for	18-43M-85W		O Car 7 Car	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	14-02-18W	MUNICITY IN THE	MO MILLIO	27-141-854	29-14N-85W	27-16N-80W	30-16N-80W	34-16N-81W	Average for	100 L 100 0 L	13-30N-100W	Average for
d March 10, 1944	Location	Locality			Lvan	Brooks Lake	" TREE LOTE OF		La	v2		19mi. " "	16mi. WW. Dubois	Brooks Lake	27mi.NW.Lander	18mi. " "	omi .IW Dubois	mi. N. Dub of		23mi.W.Kaycee		6		t House Rang	ם מ	NOT !	2	11 M	/Saratoga	=		Laws of	ŧ	TO II II II II	of record.
PenssI	-	State			0	= .			WYO	= .	±	=	=	=	=	=		=	4	=	7	رامل		-		Marc		-	=	1	=			# X C .	- 0
	Local	Drainage			Middle Greek	Shoshone R.				po Agre		L.Popo Agie R.	Sheridan Cr.	Wind River	St.Lawrence Cr	.Trout Greek	Wind River	Horse Creek		Middle Fork		West of the contract of the	Things Of	Chicals Or.	TITESTA OF	Thoman to		=	N.French Cr.	Barrett Cr.	=		1-00	HOCK OFFER	@Average for period
	Moin Drainage .	and	No Snow Course	-	Syrvan rass	50 Brooks Lake #5*	BEATE MEDERIE		-		Blue Ridge	South Pass	49 Sheridan Cr.R.S.#2Sheridan Cr.	O Brooks Lake #3	1 St.Lawrence R. S.	52 Mosquito Park R.S. Trout Greek	3 DuNoir	4 T-Cross Ranch		30 Red Fork	WO. Pr. smms privan	Company Dona	Pork Wien	R Columbine I odge			8 Webber Spring	9 Old Battle			Ryan Park	Contract commence of the contract of the contr		South Pass*	ljacent Drainage.
1	1		41				1		1	1	4	٦.	-	10	5	TCI	10	10		W.		7	14	to all	200)	1	3	M	3	39		00	ナン	*

MISSOURI AND ARKANSAS RIVER WATERSHEDS.
Summainy of Federal and State Cooperative Snow Surveys
Tesned March 10, 1041, at Wort Collins, colorade.

MISSOURI AND ARKANSAS RIVER WATTERSHEDS

Summary of Federal and State Cooperative Snow Surveys Issued March 10, 1944, at Fort Collins, Colorado

1	Moin Duct wo ac	Toop	Issned	Ma.1	at Fort Collins,			1.			-	-
	Main Drainage	Tocar				PTE A	Marional	Mar.	Mode	Cover Me	Measurements	ents
	and	Drainage	State	Locality	Descrip-		Forest	Av. Sn	ow Dept	Snow Depth Av. Water Conten	ter Col	tent
No	No Snow Course				ti on			Av.@ 1	Av.@ 1943 1944	AV.®	1943	11944
								In. In	In. In.	In.	In	In.
	BIG THOMPSON											
65	Lake Irene*	BigThompson R. Colo. Imi. SW. Milner	00100	lmi.SW.Milner F	8-5N-75W	10600	Ry.Mtn.NP	55.0 7	1. 4 16.	P 55.0 71.4 40.4 15.2	21.1	6.8
95	Hidden Valley #2	Hidden Valley Cr. "	Tr. #	9mi.W.Estes P.	23-5N-74W	9550		31.3 4	5.8 22.	2 7.4	12.2	力。力
					Average f	for Drainage		43.2 5	3.6 31.	3 11.3	16.6	5.6
	ST. VRAIN RIVER											
4	41 Wild Basin	N.St. Vrain R.	00100	5mi.W.Allen's P.	24-3N-74W	10000	Ry.Mtn.MP	34.6 51	34.6 54.6 22.5	5 8.6	15.5	4.8
	BOULDER CREEK											
rU	5 E.Port. Moffat T.	S.Boulder Cr.	00100	East Portal	2-2s-74W	001/6	Roosevelt	9.8	1.8 6.7	-momor-	3.4	1.2
8	60 UniversityCamp.#2	N.Boulder Cr.	=	5mi.SW.Ward	28-1N-73W	103001	±	39.4 5	55.0 29.0	0 12.5	22.8	6.1
					Average f	for Drainage		24.6 3	2.4 17.		13,1	3.6
	CLEAR CREEK					_		`	-			
5	Loveland Pass #2	Clear Creek	Colos	10mi.W.George town	27-4s-76w	10100	Arapaho	37 .1 4	5.9 24.2	Ct - 25-	13.2	5.3
97	Grizzly Peak*	=======================================	=	lmi.W.LovelandP	2-55-76W	11250		43.4 5	56.2 28.7	7 13.0	19.9	たいた
						for Drainag	0	12.2	1.0 26.4		16.6	19
	ARKANSAS RIVER					-						
19	Tennessee Pass	Tennewsee Cr.	00100	Tennessee Pass	21-8S-80W	10200	Cochetopa	31.8 3	3.9 20.		8.2	4.1
2	Twin Lakes Tun.	Lake Creek	±	9mi.W.TwinLakes	22-11S-82W	10500		30.05	34.2 21.5	5	10,1	5.7
42	Marshall Creek*	Foncha Creek	=	Marshall Pass	至9-184-43	10800	=	40.8 4	1.8 31.8		11.6	0
43	Poncha Creek	= =	=		19-48N-7E	10500	E	30.8 3	35.5 23.5		10.5	6.1
72	Whiskey Creek #2	Whiskey Cr.	=	Whiskey Cr. F.	37 - 2N105 - 2W	103001	MaxwellGran 22.6		H	1 6.1	2	5.2
7.	LaVeta Pass #2*	Cuchara Cr.	=	LaVeta Fass	22-285-70W	9300	San Chisto Gr70.	cu	6.7 27.		5.7	6.8
78	Four Mile Park #2	Lake Creek	E	3mi.SW.Twin L.	23-11S-81W	9700	Cochetopa	00	5.0 8.2		7.9	1.3
79	Fremont Pass #2	E.Fork Ark.R.	=	Fremont Pass	2-88-79W					0 12.0	15.3	7.7
92	Monarch Pass	S.Fork Ark. R.	=	Wonarch "	16-49N-6E	10500	Cochetopa		57.0 42.2		16.7	03
					Average for	r Drainage		0	4.8 25.1	1 8.3	4.6	5.00
N*	*Adjacent Drainage										_	

"Adjacent Drainage 'CAVerage for period of record

